J6 [aka MJ6B] (permanent dipole)

Figure 1

L20 (induced dipole

Figure 2

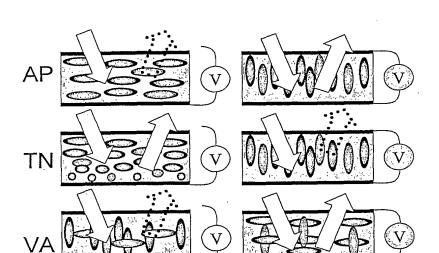


Figure 3

Mode	AP		TN		V	AN
LC & Dopant	+Δε & 1(A)	+Δε & 1(A)	+Δε & 4(B)	+Δε & 3(A)	–Δε & 2(A)	–Δε & 4(B)
Δε	+15%	+15%	-5%	+12%	+12%	+6%
Rise time	+22%	+13%	+10%	+28%	+25%	+33%
Decay time	. 0%	+25%	+12%	+8%	+12%	0%

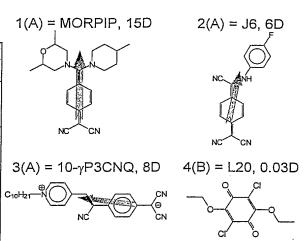


Figure 4

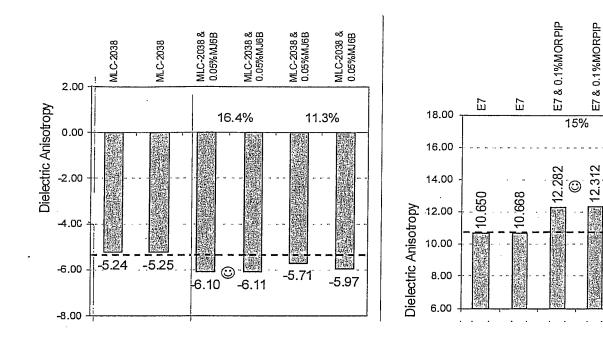


Figure 5

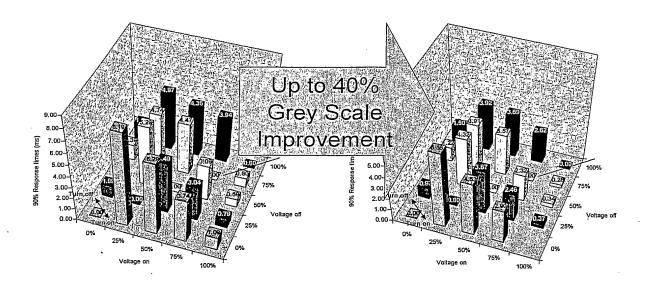


Figure 6

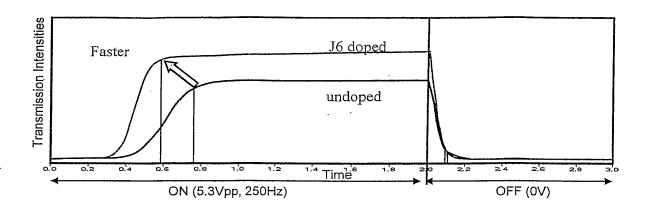


Figure 7

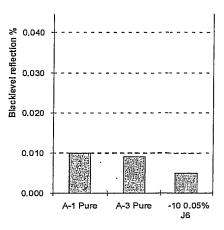


Figure 8

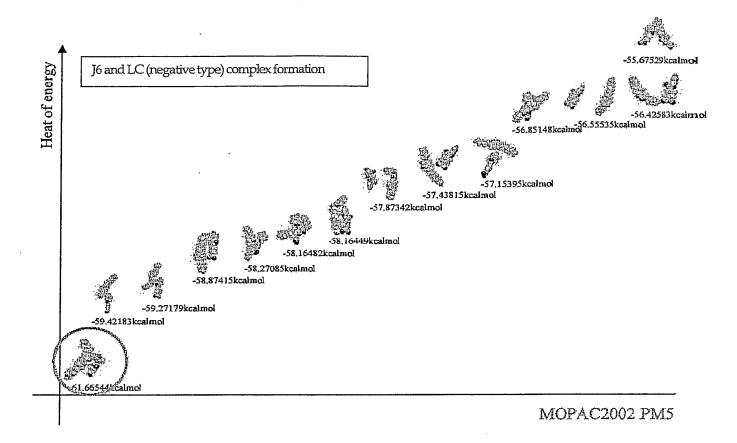


Figure 9A



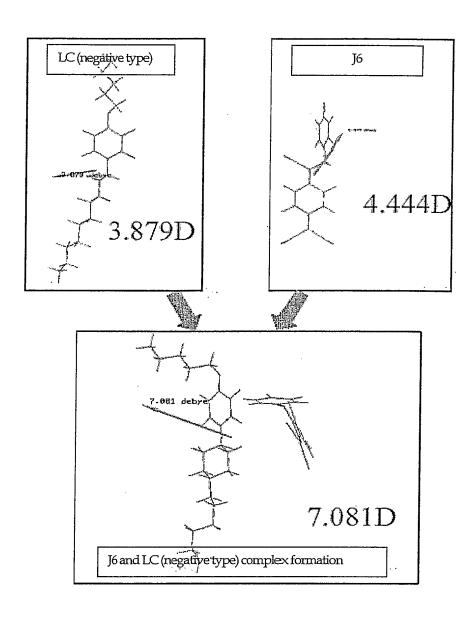


Figure 9B

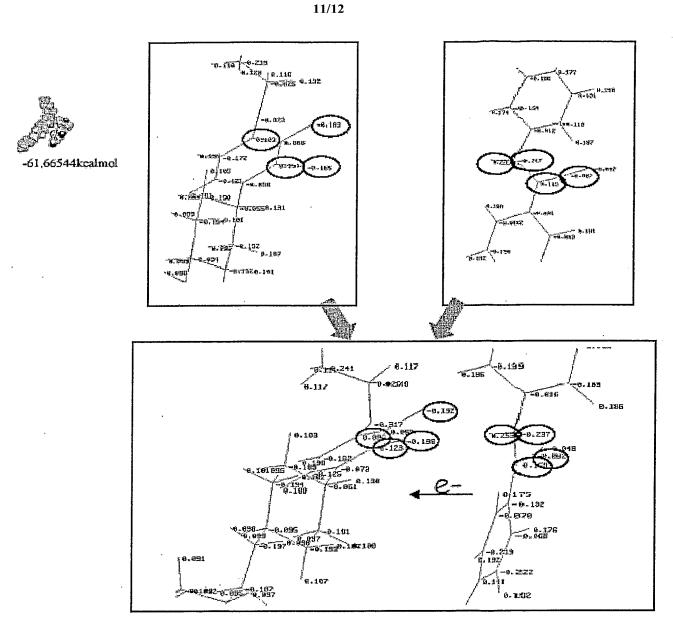


Figure 9C

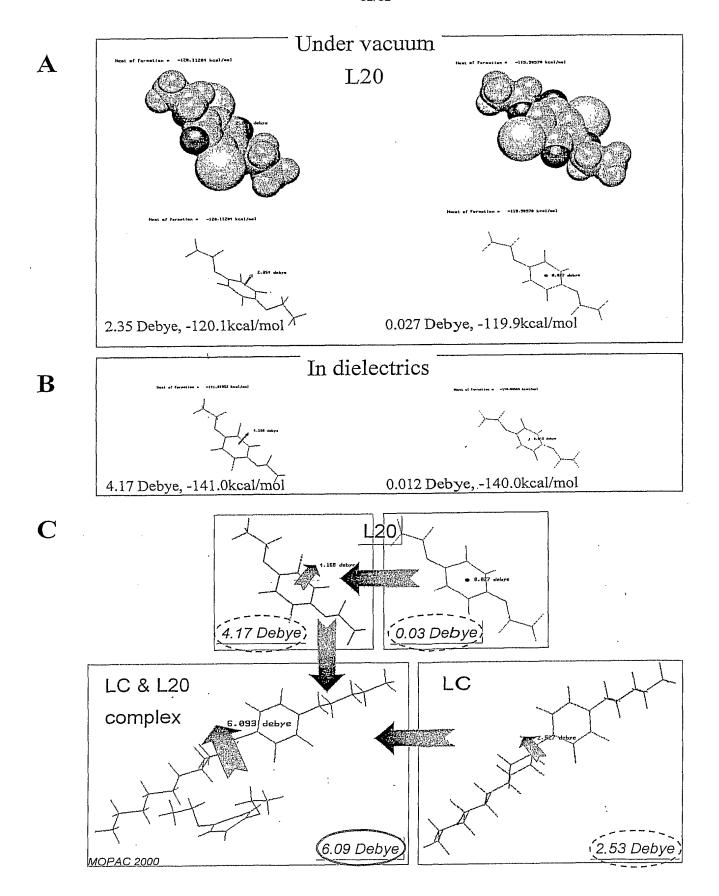


Figure 10